

Case Study – TATA Steel Waste Oil Processing



TATA Steel turning waste oil into income – The Journey

Over the last number of years Braemar Howells have managed the waste oil processing at Tata Steel Port Talbot. Initially given the chance to prove themselves due to change in legislation, Braemar Howells have now changed the way of thinking at the works providing a consistent income stream for the customer

Initial Site Setup and Goals

The initial phases of the work were to bring a full complement of equipment to site to work on the most efficient and cost effective way to provide an end product. Strong relationships in the waste oil industry also allowed Braemar to put supply contracts in place for the sale of the product.

Management and Control

Once the system was in place the next phase was to control the site and set up procedures to manage what inputs were brought to the site. We implemented a plan to reduce built up waste by fine tuning product volumes in the storage tank facility whilst processing the legacy oils.

Segregation At Source High Quality Oil Income

As part of the long term objective, We implemented new procedures and training to make sure the high quality recovered oils were stored for future sales. This has a massive effect on long term income generation by simply splitting out the high quality from the general oils.

Moving Forward

Like all projects of this nature there's always the chance to fine tune systems and develop new methods of recovery. Implementation of simple systems that collect and separate the oil at source using standalone separation technology (In House Vertical Gravity Separators) and creating an effective milk round for separated oil collection is key to long term success.

Maintain quality output for the market place to give confidence in the processed product is also an important KPI.

Key Services Provided

- Identification of efficient processing equipment
- Provision of a saleable product for the market place
- Management of the 2 million Gallon Tank Farm Facility
- Separation at source
- High Quality income stream generation
- On site Response to oil / chemical related incidents
- Waste reduction processes
- Environmental impact reduction
- System upgrades
- Taking responsibility from the client

